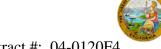
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 1.28

WELDING INSPECTION REPORT

Resident Engineer: Casey, William **Report No:** WIR-029575

Address: 333 Burma Road **Date Inspected:** 07-May-2013

City: Oakland, CA 94607

OSM Arrival Time: 700 **Project Name:** SAS Superstructure **OSM Departure Time:** 1730 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV Contractor: American Bridge/Fluor Enterprises, a JV **Location:** Job Site

CWI Name: CWI Present: Yes No As noted below **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A Yes N/A **Electrode to specification:** No Weld Procedures Followed: Yes No N/A **Qualified Welders:** Yes No N/A **Verified Joint Fit-up:** Yes No N/A N/A Yes No N/A **Approved Drawings:** Yes No **Approved WPS: Delayed / Cancelled:** Yes No N/A

34-0006 **Bridge No: Component: SAS OBG**

Summary of Items Observed:

Quality Assurance Inspector (QA) Douglas Frey was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

This QA observed the following welders working on the OBG at the following locations:

This QA Inspector randomly observed ABF welder Lin E Yun #9344 back-gouging the opposite side of the root on the Hinge A barricade adjustment plates 5-8 (PL5, PL6, PL7 and PL8) on the south side of the westbound OBG utilizing the Carbon Arc Gouging (CAG) method. The welder was observed performing proper arc gouging procedures to avoid the retention of carbon deposits and material or dross in the areas which are to be welded and utilizing a small disc grinder to ground the back gouged area to bright metal.

FW Spencer welder Tim Esquivel #8348 was observed performing SMAW welding on 4" schedule 40 pipe sockets and outlets. The welder was observed utilizing WPS-1-12-1 and pre-heating the surface area to be welded prior to welding. Other welding parameters as inspected by the QC Inspector appeared to be in compliance with the WPS noted above. This QA Inspector made random observations throughout the shift and noted that the work was completed on this date and appeared to be in general conformance with the contract documents. Completed work on this date includes weld identification #'s; 1/DW1/92.5/BE and 1/DW1/91.5/BE.

This QA Inspector randomly observed Quality Control Inspector William Sherwood perform Magnetic Particle (MT) testing and inspection of the Hinge A barricade adjustment plates 5-8 (PL5, PL6, PL7 and PL8) on the south

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

side of the eastbound OBG. QC was performing the testing in accordance with AWS D1.5-Section 6.7.6-2002 and ASTM E709. It was noted that no rejectable indications were found and appeared to comply with the contract specifications.

This QA Inspector randomly observed Quality Control Inspector William Sherwood perform MT testing and inspection of the Hinge A barricade adjustment plates 1-4 (PL1, PL2, PL3 and PL4) on the north side of the westbound OBG. QC was performing the testing in accordance with AWS D1.5-Section 6.7.6-2002 and ASTM E709. It was noted that no rejectable indications were found and appeared to comply with the contract specifications.

This QA observed QC Inspector William Sherwood and Salvador Merino performing welding parameter checks such as voltage, amps, electrodes and preheats throughout the day. Non-Destructive Testing methods utilized by the QC Inspectors were Visual Testing (VT), Magnetic Particle Testing (MPT). QC Inspectors were observed performing inspection per applicable code and or contract criteria. Unless otherwise noted, all work observed on this date appeared to generally comply with the contract documents.

Summary of Conversations:

Conversations on this date were relevant to work performed.





Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Gary Thomas 916-764-6027, who represents the Office of Structural Materials for your project.

Inspected By:	Frey,Doug	Quality Assurance Inspector
Reviewed By:	Reyes, Danny	QA Reviewer